

CLAIMS

What we claim is:

1. A floor mat system comprising a plurality of floor mat sizes each having the same width and each floor mat comprising

5 a carpet pile backing or carrier;

a pile material tufted into said carpet pile backing which forms a pile surface on one side of said pile backing; and

a vulcanized rubber backing sheet integrated to the other side of the pile backing.

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2. The floor mat system of Claim 1, wherein said rubber backing sheet comprises a blowing agent to produce a closed cell structure foam rubber.

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3. The floor mat system of Claim 1, further comprising solid vulcanized rubber reinforcement strips along at least one of the borders of each mat.

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4. The floor mat system of Claim 1, wherein each said floor mat possesses suitable flexibility to be laundered on a regular basis in a standard industrial washing machine without appreciably damaging said mat or said machine.

5. The floor mat system of claim 1, wherein said carpet pile backing is a nonwoven polyester.
6. The floor mat system of Claim 1, wherein each of said floor mats have
5 a width of about 28 inches.
7. The floor mat system of Claim 1 wherein said carpet pile backing is comprised of natural or synthetic fibers or blends thereof.
- 10 8. The floor mat system of Claim 1 wherein said pile material is comprised of natural or synthetic fibers or blends thereof.
9. The floor mat system of Claim 1 wherein said pile material is comprised of 100% jet dyed nylon fibers.
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10. The floor mat system of Claim 1 wherein said carpet pile backing weighs from about 3.5 to about 4.5 ounces per square yard.
11. The floor mat system of Claim 1 wherein said carpet pile weighs less
20 than about 20 ounces per square yard.
12. The floor mat system of Claim 1, wherein said floor mats are offered in 4 sizes and 6 colors.

13. The floor mat system of Claim 1, wherein said backing sheet is an about 60 mil thick solid rubber.
14. The floor mat system of Claim 1, wherein said floor mats may have one of three border colors.
15. The floor mat system of Claim 1, wherein each of said mats has a total mat weight of less than 0.60 lbs./sq. ft.
16. The floor mat system of Claim 1, wherein each of said floor mats is one of a plurality of floor mats formed simultaneously from a single backing sheet.
17. The floor mat system of Claim 1, wherein the sizes of mats are 28"x42", 28"x59", 49"x57", and 28"x100".
18. A flooring mat having a pile surface which is jet dyed to look like a floor mat made of solution dyed yarn tufted with a graphics tufting machine.
19. The floor mat of Claim 18, wherein the mat is dyed with at least three different colors.

20. A method of simultaneously forming a plurality of floor mats,
comprising placing a plurality of individual floor mat carpet substrates
on a large rubber backing sheet, vulcanizing the carpet substrates and
backing sheet, and cutting the vulcanized backing sheet between the
5 carpet substrates to form individual mats.
21. A floor mat produced by the method of Claim 20.

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